

INTERNATIONAL SEARCH REPORT

International application No.

PCT/US04/33173

A. CLASSIFICATION OF SUBJECT MATTER

IPC(7) : B65D 55/02

US CL : 215/219

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

U.S. : 215/219, 213, 214, 216, 217, 221, 43, 44, 305, 321, 330, 334, 336, 337

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 5,988,412 A (MINNETTE et al) 23 November 1999 (23.11.1999), see entire document.	1-5, 10-29, 32-46
X	US 4,116,351 A (UHLIG) 26 September 1978 (26.09.1978), see entire document.	1-11, 14-40, 43-46
Y	US 3,949,893 A (UHLIG) 13 April 1976 (13.04.1976), see entire document.	5 and 26
Y	US 5,687,863 A (KUSZ) 18 November 1997 (18.11.1997), see entire document.	7 and 28
Y	US 3,854,622 A (McKIRNAN) 17 December 1974 (17.12.1974), see entire document.	11 and 40
Y	US 6,357,615 B1 (HERR) 19 March 2002 (19.03.2002), see entire document.	11 and 40
Y	US 4,273,247 A (BARLS) 16 June 1981 (16.06.1981), see entire document.	12-13 and 41-42
Y	US 4,134,513 A (MUMFORD) 16 January 1979 (16.01.1979), see entire document.	17 and 44
Y	US 6,319,453 B1 (KLIMA, JR. et al) 20 November 2001 (20.11.2001), see column 10, line 54.	18 and 45

☒ Further documents are listed in the continuation of Box C.

☐ See patent family annex.

* Special categories of cited documents:

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"E" earlier application or patent published on or after the international filing date

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Date of the actual completion of the international search

17 February 2005 (17.02.2005)

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19 AUG 2005

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C. (Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A, P	US 6,698,605 B2 (CLODFELTER et al.) 02 March 2004 (02.03.2004), see entire document.	1-46
A	US 6,561,369 B1 (CLODFELTER et al.) 13 May 2003 (13.05.2003), see entire document.	1-46
A	US 6,386,380 B1 (CLODFELTER et al.) 14 May 2002 (14.05.2002), see entire document.	1-46
A	US 6,112,921 A (ROBINSON) 05 September 2000 (05.09.2005), see entire document.	1-46
A	US 6,036,036 A (BILANI et al.) 14 March 2000 (14.03.2000), see entire document.	1-46
A	US 6,003,700 A (JULIAN et al.) 21 December 1999 (21.12.1999), see entire document.	1-46
A	US 5,865,330 A (BUONO) 02 February 1999 (02.02.1999), see entire document.	1-46
A	US 5,413,233 A (HALL) 09 May 1995 (09.05.1995), see entire document.	1-46
A	US 5,394,999 A (KRALL) 07 March 1995 (07.03.1995), see entire document.	1-46
A	US 4,826,026 A (GACH et al.) 02 May 1989 (02.05.1989), see entire document.	1-46
A	US 4,667,836 A (McLAREN) 26 May 1987 (26.05.1987), see entire document.	1-46
A	US 4,540,098 A (LUKER) 10 September 1985 (10.09.1985), see entire document.	1-46
A	US 4,117,945 A (MUMFORD) 03 October 1978 (03.10.1978), see entire document.	1-46
A	US 3,984,021 A (UHLIG) 05 October 1976 (05.10.1976), see entire document.	1-46
A	US 3,826,395 A (MONTGOMERY) 30 July 1974 (30.07.1974), see entire document.	1-46
A	US 2002/0166834 A1 (BRANSON et al.) 14 November 2002 (14.11.2002), see entire document.	1-46